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(FILE 'HOME' ENTERED AT 13:29:53 ON 29 SEP 2007)

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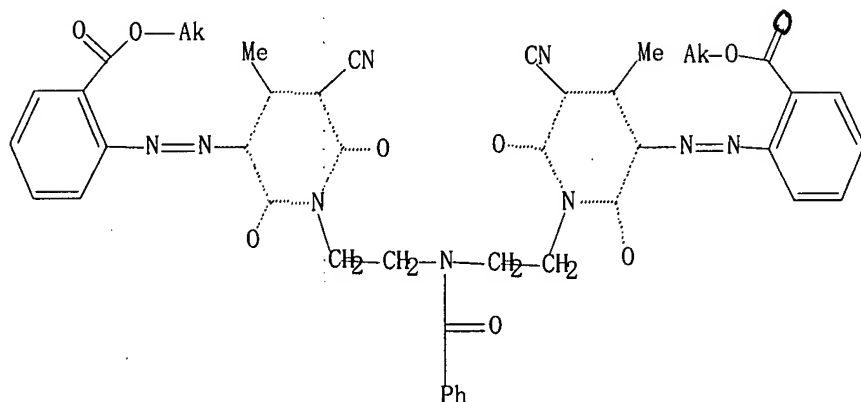
L1 STRUCTURE UPLOADED
 L2 STRUCTURE UPLOADED
 L3 0 S L1
 L4 1 S L1 FULL
 L5 1 S L2
 L6 2 S L2 FULL

FILE 'CAPLUS' ENTERED AT 13:32:14 ON 29 SEP 2007

L7 3 S L4
 L8 3 S L6
 L9 2 S L7 AND L8
 L10 4 S L7 OR L8
 L11 2 S L10 NOT L9

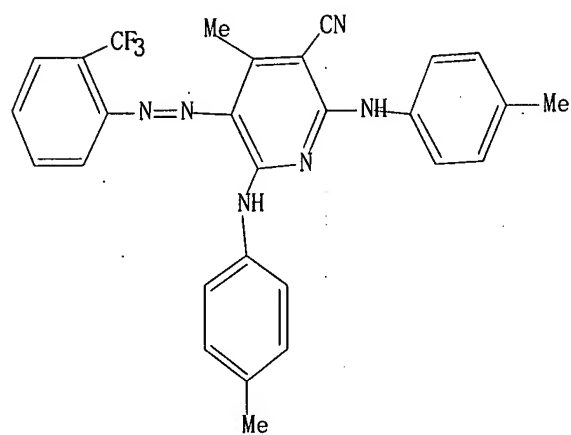
=> d que 19 stat

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L2 STR



Structure attributes must be viewed using STN Express query preparation.

L4 1 SEA FILE=REGISTRY SSS FUL L1
 L6 2 SEA FILE=REGISTRY SSS FUL L2
 L7 3 SEA FILE=CAPLUS ABB=ON PLU=ON L4

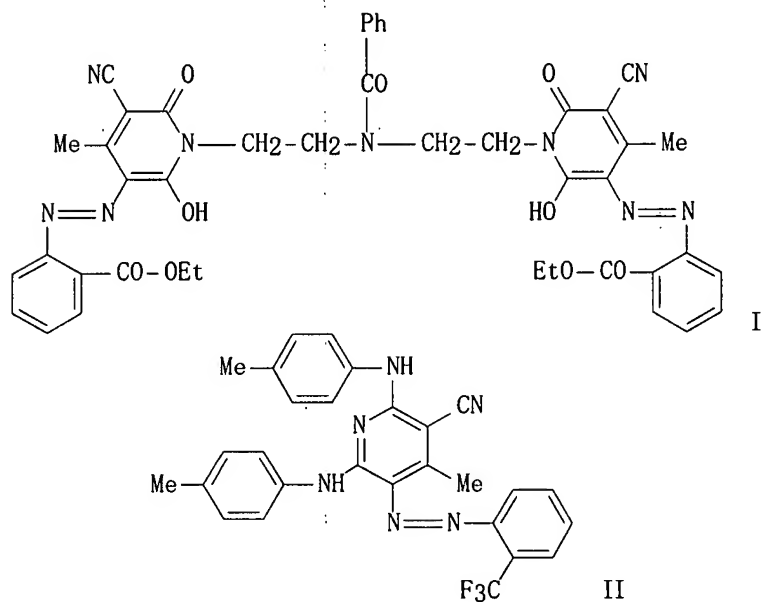
L8 3 SEA FILE=CAPLUS ABB=ON PLU=ON L6
L9 2 SEA FILE=CAPLUS ABB=ON PLU=ON L7 AND L8

=> d 19 1-2 ibib iabs hitstr

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:612184 CAPLUS
 DOCUMENT NUMBER: 143:134158
 TITLE: Method of protecting organic material such as foods
 and pharmaceuticals from light
 INVENTOR(S): Jandke, Joachim
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005063592	A1	20050714	WO 2004-EP53418	20041213
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1697227	A1	20060906	EP 2004-804782	20041213
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
JP 2007523224	T	20070816	JP 2006-546155	20041213
US 2007157401	A1	20070712	US 2006-583597	20060620
IN 2006CN02272	A	20070608	IN 2006-CN2272	20060622
MX 2006PA07267	A	20060809	MX 2006-PA7267	20060623
PRIORITY APPLN. INFO.:			EP 2003-104945	A 20031223
			WO 2004-EP53418	W 20041213

GRAPHIC IMAGE:



ABSTRACT:

The invention relates to a method of protecting organic material, especially from the pharmaceutical, food and nutrition sectors, from light, which method comprises applying to or incorporating in a carrier material, such as PET, a combination of the dye I, the dye II, and a UV absorber and, optionally, further dyes, and positioning the so-treated carrier material between the light source and the organic material to be protected. The use of I and II improves the ability of the UV absorbers to protect the organic material from 400-500-nm light.

IT 459856-74-7 669005-94-1

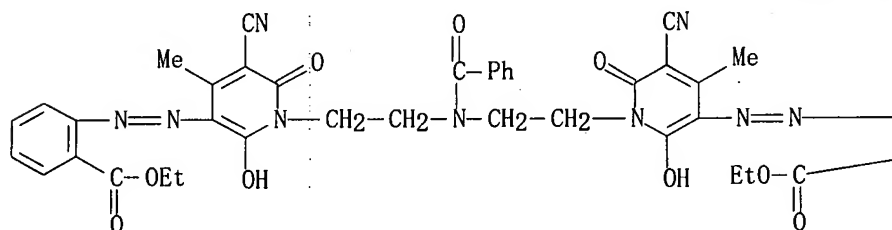
RL: FFD (Food or feed use); MOA (Modifier or additive use); POF (Polymer in formulation); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(protecting foods and pharmaceuticals from light by PET-based barriers containing combinations of pyridine group-containing azo dyes and UV absorbers)

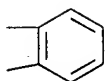
RN 459856-74-7 CAPLUS

CN Benzoic acid, 2,2'-[(benzoylimino)bis[2,1-ethanediyl(5-cyano-2-hydroxy-4-methyl-6-oxo-1,3(6H)-pyridinediyl)azo]]bis-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

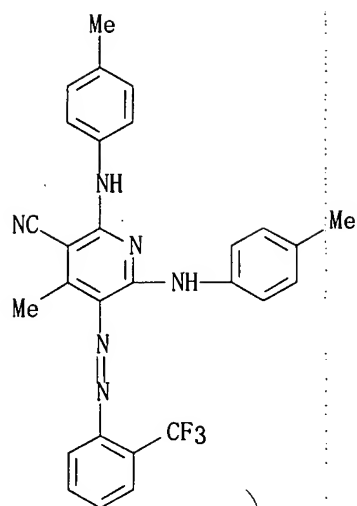


PAGE 1-B



RN 669005-94-1 CAPLUS

CN 3-Pyridinecarbonitrile, 4-methyl-2,6-bis[(4-methylphenyl)amino]-5-[2-[2-(trifluoromethyl)phenyl]diazenyl]- (CA INDEX NAME)



REFERENCE COUNT:

6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:203879 CAPLUS
 DOCUMENT NUMBER: 140:236566
 TITLE: Producing of UV-absorber-containing colored plastics
 or polymeric particles and polyester beer bottles
 prepared thereby
 INVENTOR(S): Christensen, Ian
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 15 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004020505	A1	20040311	WO 2003-EP9268	20030821
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2496559	A1	20040311	CA 2003-2496559	20030821
AU 2003270091	A1	20040319	AU 2003-270091	20030821
EP 1532196	A1	20050525	EP 2003-750420	20030821
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003013809	A	20050705	BR 2003-13809	20030821
CN 1678666	A	20051005	CN 2003-820486	20030821
JP 2005536616	T	20051202	JP 2004-532102	20030821
ZA 2005000956	A	20060329	ZA 2005-956	20050202
US 2006160933	A1	20060720	US 2005-524008	20050208
MX 2005PA02144	A	20050523	MX 2005-PA2144	20050224
IN 2005CN00494	A	20070907	IN 2005-CN494	20050329
PRIORITY APPLN. INFO.:			CH 2002-1483	A 20020830
			WO 2003-EP9268	W 20030821

GRAPHIC IMAGE:

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

ABSTRACT:

Colored plastics or polymeric particles are prepared by using dye (I), dye (II), a UV absorber, such as 2-hydroxybenzophenones and oxamides, and, optionally, dye (III), and colored polyethylene terephthalate (PET) or polyethylene naphthalate (PEN) beer bottles are also provided. Thus, PET (Arnite D 04-300) 1200 g, dye I 0.16 g, dye II 0.22 gm and UV absorber (IV) 2.4 g were mixed to obtain yellow-brown polyester granules.

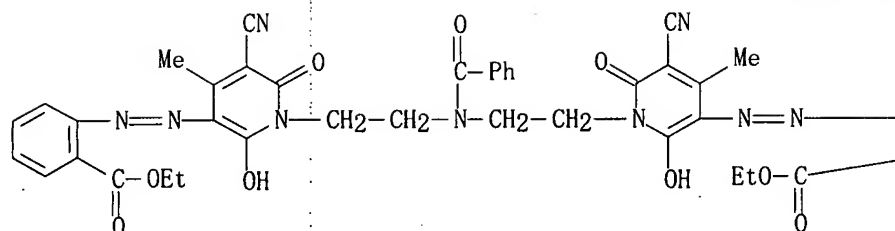
IT 459856-74-7 669005-94-1

RL: MOA (Modifier or additive use); USES (Uses)
 (producing of UV-absorber-containing colored plastics or polymeric particles for polyester beer bottles)

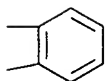
RN 459856-74-7 CAPLUS

CN Benzoic acid, 2,2'-[(benzoylimino)bis[2,1-ethanediyl(5-cyano-2-hydroxy-4-methyl-6-oxo-1,3(6H)-pyridinediyl)azo]]bis-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

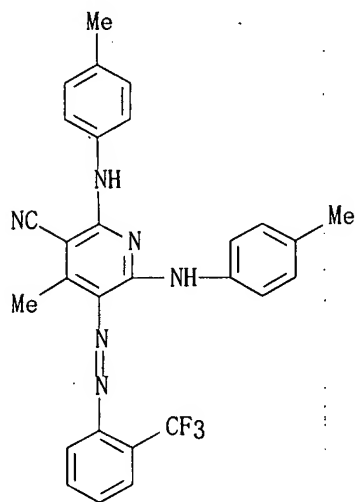


PAGE 1-B



RN 669005-94-1 CAPLUS

CN 3-Pyridinecarbonitrile, 4-methyl-2,6-bis[(4-methylphenyl)amino]-5-[2-[2-(trifluoromethyl)phenyl]diazenyl]- (CA INDEX NAME)



REFERENCE COUNT:

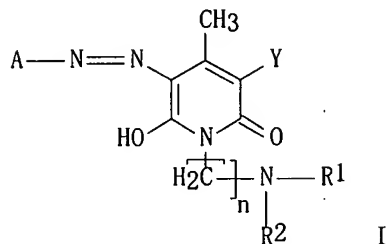
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THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:716384 CAPLUS
 DOCUMENT NUMBER: 137:249068
 TITLE: Pyridone azo dyes, their production and their use in polymeric materials
 INVENTOR(S): Tzikas, Athanassios; Lauk, Urs; Dreier, Romeo; Clement, Antoine
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 45 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002072707	A1	20020919	WO 2002-EP2150	20020228
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BC, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2434837	A1	20020919	CA 2002-2434837	20020228
AU 2002235921	A1	20020924	AU 2002-235921	20020228
EP 1368431	A1	20031210	EP 2002-702379	20020228
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CN 1496388	A	20040512	CN 2002-806197	20020228
BR 2002007944	A	20040727	BR 2002-7944	20020228
JP 2004526836	T	20040902	JP 2002-571768	20020228
MX 2003PA06339	A	20031006	MX 2003-PA6339	20030716
US 2004123403	A1	20040701	US 2003-469889	20030905
US 6953846	B2	20051011		
PRIORITY APPLN. INFO.:			CH 2001-440	A 20010309
			CH 2001-822	A 20010507
			CH 2001-1386	A 20010725
			WO 2002-EP2150	W 20020228
OTHER SOURCE(S):		MARPAT 137:249068		
GI				



AB The present invention relates to pyridone azo dyes (I; A = diazo component residue; R1 = H, optionally hydroxyl- or phenyl-substituted C1-6-alkyl, azo pyridone derivative, ester, amide, keto; R2 = azo pyridone derivative, ester, amide, keto; R1R2N may form a heterocycle; Y = cyano, CONH2, CH2SO3H; n = 2-6) and a process for their preparation and to their use in the production colored plastics or polymeric color particles. I show very good heat and migration resistance and tinctorial strength. In an example, ethylenediamine, Et cyanoacetate, and Et acetoacetate were cyclocondensed

to give a pyridone derivative which was benzoylated to provide a coupling component; application of diazotized Et anthranilate gave a yellow dye for mass dyeing of polyester.

IT 459856-74-7P

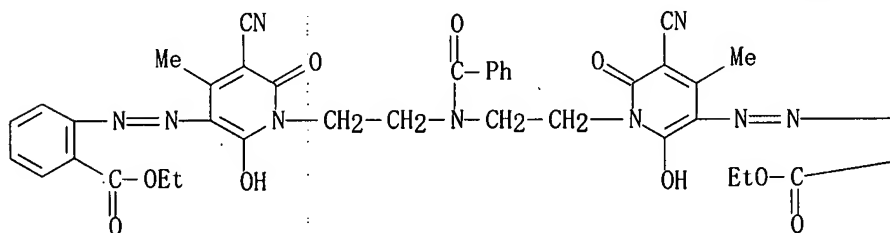
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(yellow dye; production of yellow pyridone azo dyes for mass dyeing of polyester)

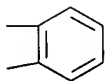
RN 459856-74-7 CAPLUS

CN Benzoic acid, 2,2'-[(benzoylimino)bis[2,1-ethanediyl(5-cyano-2-hydroxy-4-methyl-6-oxo-1,3(6H)-pyridinediyl)azo]]bis-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



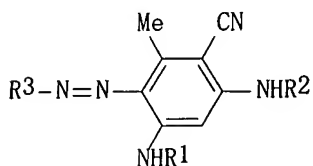
REFERENCE COUNT:

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THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:575156 CAPLUS
 DOCUMENT NUMBER: 137:141843
 TITLE: Azo dyes, their production and their use in
 manufacture of colored plastics
 INVENTOR(S): Clement, Antoine; Andreoli, Anton; Lauk, Urs; Tzikas,
 Athanassios
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

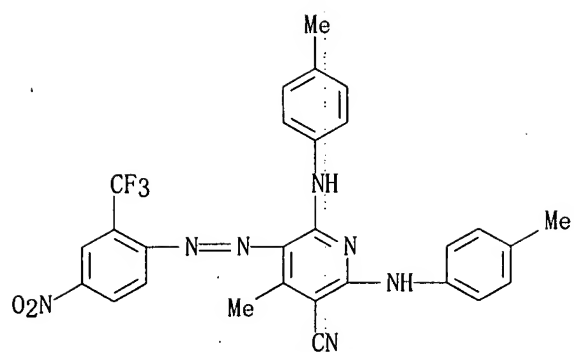
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059215	A1	20020801	WO 2002-EP510	20020118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BC, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002229715	A1	20020806	AU 2002-229715	20020118
EP 1366122	A1	20031203	EP 2002-710804	20020118
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JP 2004529218	T	20040924	JP 2002-559505	20020118
US 2004031109	A1	20040219	US 2003-470040	20030723
US 7029502	B2	20060418		
PRIORITY APPLN. INFO.:			EP 2001-810081	A 20010126
			WO 2002-EP510	W 20020118
OTHER SOURCE(S):		MARPAT 137:141843		
GI				



AB The invention relates to azo dyes (I; R1, R2 = optionally substituted aryl; R3 = diazo component group), their production, and their use in mass coloration of plastics or polymeric particles. The dyes have good coloristic and fastness properties. In an example, a coupling component was prepared from 1 mol 2,6-dichloro-3-cyano-4-methylpyridine and 2 mol p-toluidine and used with diazotized 2-amino-5-nitrobenzotrifluoride to give a red azo dye suitable for polyester.

IT 444576-04-9P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (red dye; production of azo dyes for bulk dyeing of polyester)

RN 444576-04-9 CAPLUS
 CN 3-Pyridinecarbonitrile, 4-methyl-2,6-bis[(4-methylphenyl)amino]-5-[[4-nitro-2-(trifluoromethyl)phenyl]azo]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> =>.d que 112 stat

L12 9 SEA FILE=CAPLUS ABB=ON PLU=ON "JANDKE JOACHIM"/AU

=> d 1-9 bib abs

L12 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2005:688035 CAPLUS

DN 144:313214

TI High performing pigmented rotational molding applications

AU Jandke, Joachim

CS Ciba Specialty Chemicals, USA

SO Annual Technical Conference - Society of Plastics Engineers (2005), 63rd, 978-983

CODEN: ACPED4; ISSN: 0272-5223

PB Society of Plastics Engineers

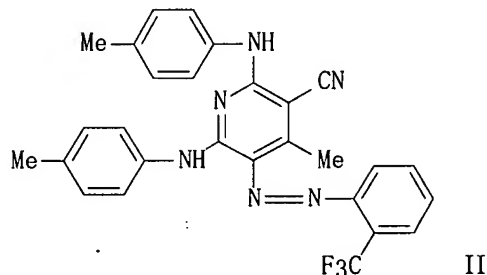
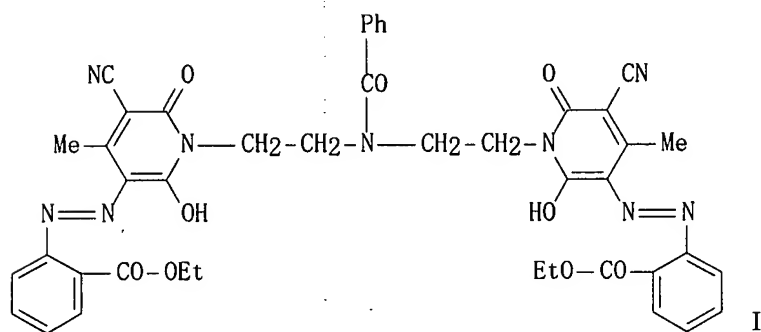
DT Journal; (computer optical disk)

LA English

AB This paper focuses on the key criteria to achieve high performing rotationally molded plastic articles. The roto-molding process as well as the final applications lead to the highest requirements for pigment and additive selection. Possible critical steps in the whole production cycle and the influence of the pigment selection on the processing and end-use quality are described. On a practical example, where extreme weather resistance is required, it is demonstrated how to transform this knowledge into an integrated solution for the Industry.

L12 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2005:612184 CAPLUS
 DN 143:134158
 TI Method of protecting organic material such as foods and pharmaceuticals
 from light
 IN Jandke, Joachim
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005063592	A1	20050714	WO 2004-EP53418	20041213
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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	US 2007157401	A1	20070712	US 2006-583597	20060620
	IN 2006CN02272	A	20070608	IN 2006-CN2272	20060622
	MX 2006PA07267	A	20060809	MX 2006-PA7267	20060623
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GI	WO 2004-EP53418	W	20041213		

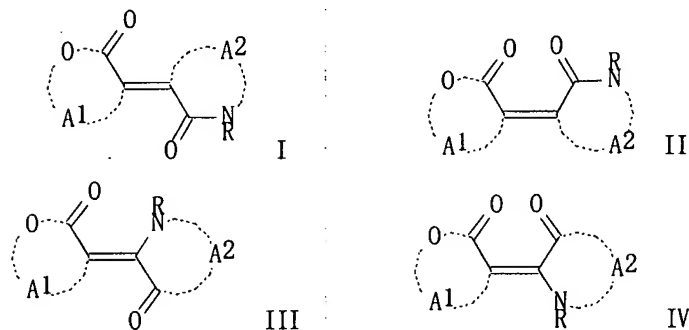


AB The invention relates to a method of protecting organic material, especially from the pharmaceutical, food and nutrition sectors, from light, which method comprises applying to or incorporating in a carrier material, such as PET, a combination of the dye I, the dye II, and a UV absorber and, optionally, further dyes, and positioning the so-treated carrier material between the light source and the organic material to be protected. The use of I and II improves the ability of the UV absorbers to protect the organic material from 400-500-nm light.

RE. CNT : 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD.
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2000:291028 CAPLUS.
 DN 132:309705
 TI Oxobenzofuranylidenedihydroindolone dyes, their production and their use
 IN Nesvadba, Peter; Jandke, Joachim
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 52 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000024736	A1	20000504	WO 1999-EP7593	19991011
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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EP 1123289	A1	20010816	EP 1999-953766	19991011
EP 1123289	B1	20021127		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002528448	T	20020903	JP 2000-578306	19991011
AT 228515	T	20021215	AT 1999-953766	19991011
US 6503937	B1	20030107	US 2001-806741	20010403
US 2003121113	A1	20030703	US 2002-323242	20021218
PRAI CH 1998-2138	A	19981022		
WO 1999-EP7593	W	19991011		
US 2001-806741	A3	20010403		
OS CASREACT 132:309705; MARPAT 132:309705				
GI				



AB The cis- and trans-Oxobenzofuranylidenedihydroindolones I, II, III, and IV (A1, A2 independently represent unsubstituted or once to four times substituted ortho-C6-18-aryls and R1 represents H or an organic radical, provided that A1 does not represent 9,10-anthraquinone-1,2-ylene, 4-chloro-3,5-dimethyl, 1,2-phenylene, or 3,5-dimethyl-1,2-phenylene when R1 represents H and A2 represents 1,2-phenylene) are produced in a manner more economical than by prior-art means and are suitable for use as dyes with good light and heat stability and migration resistance. In an example, isatin was condensed with 5,7-di-tert-butyl-3H-benzofuran-2-one to give 74% 3-(5,7-di-tert-butyl-2-oxobenzofuranylidene)-1,3-dihydro-2-indolone, which was suitable for coloration of plastics.

RE. CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1999:672817 CAPLUS

DN 131:300577

TI Dibenzonaphthyrone, their preparation and use for coloring/pigmenting high-molecular-weight organic material

IN Nesvadba, Peter; Jandke, Joachim

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 49 pp.

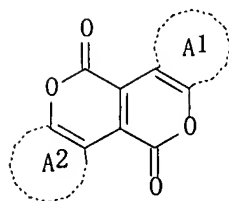
CODEN: PIXXD2

DT Patent

LA English

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9952909	A2	19991021	WO 1999-EP2139	19990329
	WO 9952909	A3	20000113		
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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9935218	A	19991101	AU 1999-35218	19990329
	BR 9909461	A	20001212	BR 1999-9461	19990329
	EP 1095041	A2	20010502	EP 1999-916896	19990329
	R: CH, DE, FR, GB, IT, LI				
	US 6281361	B1	20010828	US 1999-280738	19990329
	JP 2002511498	T	20020416	JP 2000-543466	19990329
	CN 1125072	B	20031022	CN 1999-804890	19990329
	IN 2000CN00588	A	20070824	IN 2000-CN588	20001101
	US 2002095046	A1	20020718	US 2001-880211	20010613
	US 6533825	B2	20030318		
PRAI	CH 1998-838	A	19980408		
	CH 1998-1861	A	19980911		
	US 1999-280738	A3	19990329		
	WO 1999-EP2139	W	19990329		
OS	MARPAT 131:300577				
GI					

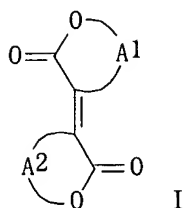


I

AB Dibenzonaphthyrone I (A1, A2 = C6-18 aromatic system bearing 0-4 substituents), exclusive of 14 specific known compds., are claimed; all the I are useful for bulk coloration of plastics. Thus, 2,4-di-tert-butylphenol (II) was cyclocondensed with glyoxylic acid to give 5,7-di-tert-butyl-3-hydroxybenzofuran-2(3H)-one, which was thermally dehydratively dimerized to the isoxindigo in 76% yield (based on II) and further heated in refluxing BuOH containing pyridine for 16 h to give 95% 1,3,7,9-tetra-tert-butyl[1]benzopyrano[4,3-c][1]benzopyran-5,11-dione, which showed high lightfastness and color intensity in PET and PBT.

L12 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1999:194211 CAPLUS
 DN 130:238783
 TI Isoxindigo colorants, their preparation and their use
 IN Nesvadba, Peter; Jandke, Joachim
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 59 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN. CNT 1

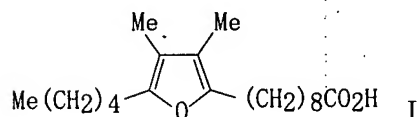
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9913007	A1	19990318	WO 1998-EP5489	19980829
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2280867	A1	19990318	CA 1998-2280867	19980829
	AU 9896229	A	19990329	AU 1998-96229	19980829
	EP 1015518	A1	20000705	EP 1998-949980	19980829
	EP 1015518	B1	20020515		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
	BR 9811642	A	20000808	BR 1998-11642	19980829
	JP 2001515942	T	20010925	JP 2000-510805	19980829
	ES 2175797	T3	20021116	ES 1998-949980	19980829
	US 6323267	B1	20011127	US 1998-146871	19980903
	MX 200000697	A	20001020	MX 2000-697	20000120
PRAI	CH 1997-2128	A	19970910		
	CH 1998-581	A	19980311		
	WO 1998-EP5489	W	19980829		
OS	MARPAT 130:238783				
GI					



AB New isoxindigo colorants (I; A1, A2 = unsubstituted, monosubstituted, disubstituted, trisubstituted or tetrasubstituted C6-18-o-arylene) are obtained by dehydrative dimerization of the requisite hydroxy lactones in acid or by dehydrohalogenation of halogenated lactones and are applied to high mol. weight organic compds. prior to processing. I have good fastness properties and are well suited to bulk coloration of plastics. In an example, a hydroxybenzofuranone is obtained by cyclocondensation of glyoxylic acid with 2,4-di-tert-butylphenol and the lactone is dimerized using thionyl chloride to give 76% red 5,5',7,7'-tetra-tert-butyl[3,3']bibenzofuranylidene-2,2'-dione.

RE. CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1989:3219 CAPLUS
DN 110:3219
TI 2-(Dimethylamino)ethyl esters of fatty acids: a previously unknown class
of natural products
AU Jandke, Joachim; Spiteller, Gerhard
CS Univ. Bayreuth, Bayreuth, D-8580, Fed. Rep. Ger.
SO Liebigs Annalen der Chemie (1988), (11), 1057-60
CODEN: LACHDL; ISSN: 0170-2041
DT Journal
LA German
OS CASREACT 110:3219
GI



AB The fatty acid I was incubated with lipoxygenase in the presence of S-adenosylmethionine. One of the reaction products of the incubation was identified as its 2-(dimethylamino)ethyl ester (II). The knowledge of the chemical, chromatog., and mass spectrometric behavior of II allowed the identification of 2-(dimethylamino)ethyl esters of fatty acids in bovine liver, a previously unknown class of natural products.

L12 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1988:71176 CAPLUS

DN 108:71176

TI The behavior of F acids in the oxidation with lipoxidase in the presence of SH-containing compounds

AU Jandke, Joachim; Schmidt, Jochen; Spiteller, Gerhard

CS Univ. Bayreuth, Bayreuth, D-8580, Fed. Rep. Ger.

SO Liebigs Annalen der Chemie (1988), (1), 29-34

CODEN: LACHDL; ISSN: 0170-2041

DT Journal

LA German

OS CASREACT 108:71176

AB If cells are damaged, endogenous 2-furancarboxylic acids (F acids) are oxidized by liberated enzymes to very unstable dioxoenes. It is shown by in vitro incubation expts. with soybean lipoxidase-1 that F acids react very easily with thiols, e.g. ethanethiol, cysteine, or glutathione, to form thioethers, which may undergo further oxidation. These oxidation products react again with thiols to finally give dithio ethers. The identification of these novel glutathione and cysteine conjugates was achieved by HPLC-mass spectrometry and in the case of ethanethiol by gas chromatog.-mass spectrometry.

L12 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1987:635366 CAPLUS
DN 107:235366
TI Unusual conjugates in biological profiles originating from consumption of
onions and garlic
AU Jandke, Joachim; Spiteller, Gerhard
CS Univ. Bayreuth, Bayreuth, D-8580, Fed. Rep. Ger.
SO Journal of Chromatography (1987), 421(1), 1-8
CODEN: JOCRAM; ISSN: 0021-9673
DT Journal
LA English
AB After consumption of onions or garlic, biol. profiles of human urine
samples show, in the methylated conjugate fraction, peaks corresponding to
the methylates of N-acetyl-S-(2-carboxypropyl)cysteine (I),
N-acetyl-S-allylcysteine (II), and hexahydrohippuric acid. I and II are
metabolites of peptides introduced with onions or garlic into the body.

L12 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1987:63762 CAPLUS
DN 106:63762
TI Dipeptide analysis in human urine
AU Jandke, Joachim; Spiteller, Gerhard
CS Univ. Bayreuth, Bayreuth, 8580, Fed. Rep. Ger.
SO Journal of Chromatography (1986), 382, 39-45
CODEN: JOCRAM; ISSN: 0021-9673
DT Journal
LA English
AB Fractions of dipeptides, obtained from human urine by a combination of cation-exchange chromatog., ligand-exchange chromatog. and reversed-phase chromatog., were transformed into their N-heptafluorobutyryl Me ester derivs. and then subjected to capillary gas chromatog. The profiles obtained indicate the presence of many dipeptides in human urine. For the first time, α -Asp-Hyp, Pro-Phe, and γ -Glu-Phe were detected in the urine of healthy individuals.

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(FILE 'HOME' ENTERED AT 13:29:53 ON 29 SEP 2007)

FILE 'REGISTRY' ENTERED AT 13:30:04 ON 29 SEP 2007

L1 STRUCTURE UPLOADED

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L2 STRUCTURE UPLOADED

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L4 1 SEA SSS FUL L1

D

L5 1 SEA SSS SAM L2

L6 2 SEA SSS FUL L2

D SCAN

FILE 'CAPLUS' ENTERED AT 13:32:14 ON 29 SEP 2007

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L8 3 SEA ABB=ON PLU=ON L6

L9 2 SEA ABB=ON PLU=ON L7 AND L8

L10 4 SEA ABB=ON PLU=ON L7 OR L8

L11 2 SEA ABB=ON PLU=ON L10 NOT L9

D QUE L9 STAT

D L9 1-2 IBIB IABS HITSTR

D L11 1-2 IBIB ABS HITSTR

E JANDKE JOACHIM/AU

L12 9 SEA ABB=ON PLU=ON "JANDKE JOACHIM"/AU

D QUE L12 STAT

D 1-9 BIB ABS

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DICTIONARY FILE UPDATES: 28 SEP 2007 HIGHEST RN 948877-55-2

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